

MD 7 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

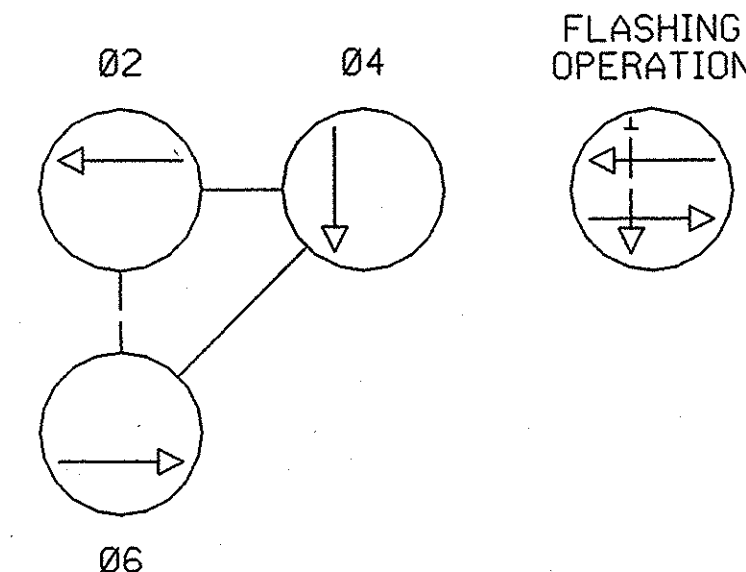
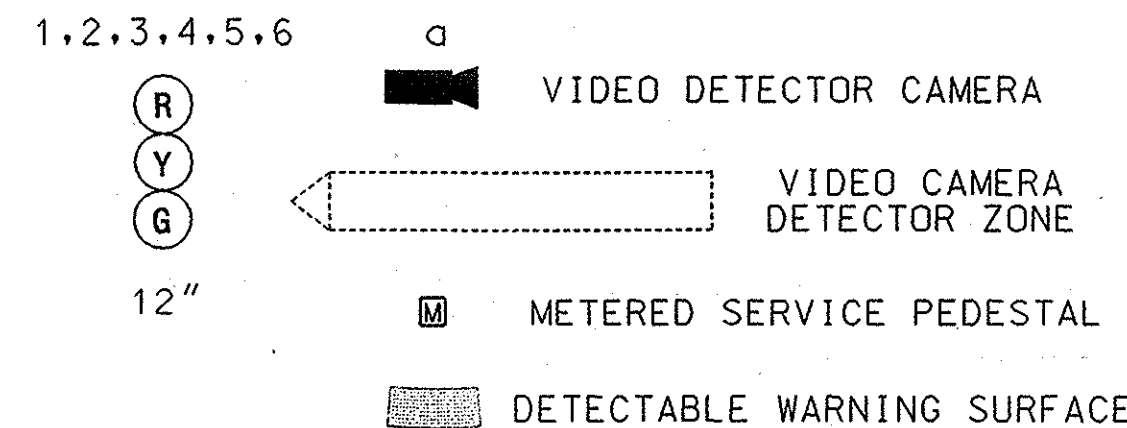
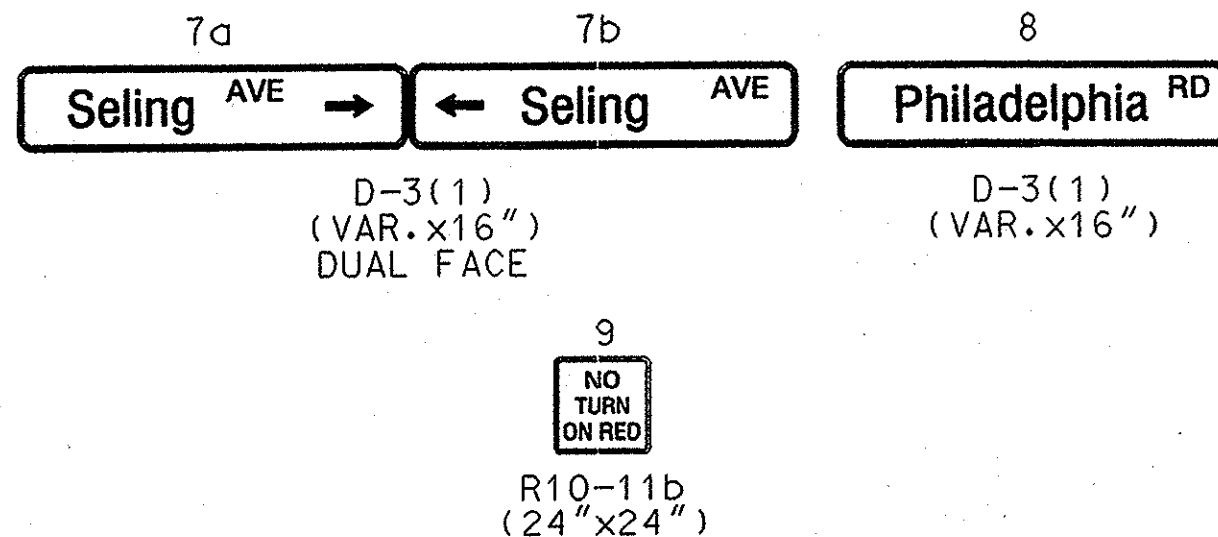
PROPOSED SIGNS

PROPOSED LED SIGNAL HEADS

NEMA PHASING

CONSTRUCTION DETAILS

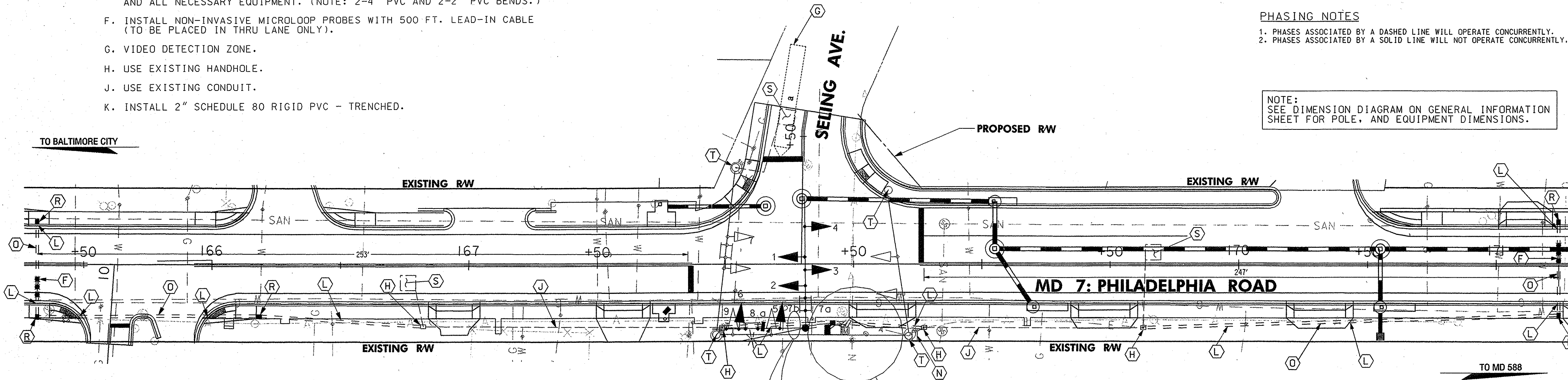
- INSTALL 27' STEEL POLE WITH TWIN 50' (CUT TO 40') MAST ARMS X 50' (CUT TO 35') WITH SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERAS, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-4" PVC BEND).
- INSTALL METERED SERVICE PEDESTAL. (NOTE: 1-4" 90° PVC BEND AND 2-2" 90° PVC BENDS).
- INSTALL A SIZE "6" BASE-MOUNTED CABINET WITH NEMA CONTROLLER AND ALL NECESSARY EQUIPMENT. (NOTE: 2-4" PVC AND 2-2" PVC BENDS.)
- INSTALL NON-INVASIVE MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE (TO BE PLACED IN THRU LANE ONLY).
- VIDEO DETECTION ZONE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 2" SCHEDULE 80 RIGID PVC - TRENCHED.



PHASING NOTES

- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTE:
SEE DIMENSION DIAGRAM ON GENERAL INFORMATION
SHEET FOR POLE, AND EQUIPMENT DIMENSIONS.

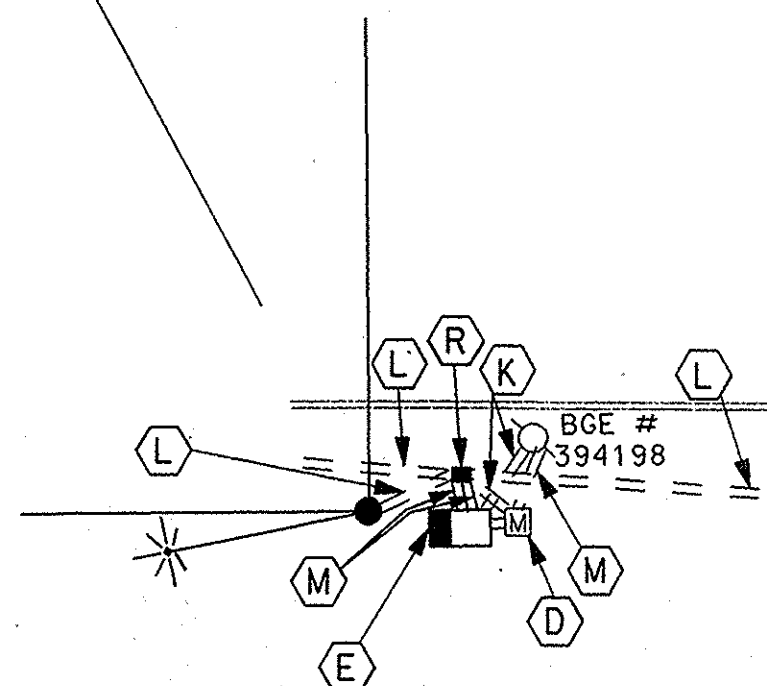


CONSTRUCTION DETAILS cont.

- INSTALL 3" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- INSTALL 4" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- REMOVE EXISTING POLE MOUNTED CONTROLLER AND CABINET.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- INSTALL HANDHOLE.
- INSTALL HANDHOLE PRIOR TO FINAL SIDEWALK POUR.
- DISCONNECT AND ABANDON EXISTING PROBES/ LOOP DETECTORS.
- REMOVE EXISTING POLE, SPAN WIRE, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE AND BACKFILL.

AERIAL CABLE DETAIL

PRIMARY	37' +
SECONDARY	28' 0"
CABLE	22' 9"
TELEPHONE	19' 2"
TENSION	16' 11"
GRADE	



GENERAL NOTES cont.

- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
- CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DR., HANOVER, MD 21076. MR EDWARD ROSENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR. ROBERT SMITH, OOTS, AT (410) 787-7631 TO ARRANGE PHONE DROP. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS NOTICE PRIOR TO COMPLETION OF THE PROJECT AND SHALL PROVIDE THE NEAREST ADDRESS.

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE GENERAL INFORMATION SHEET. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

RECONSTRUCT TO MAST ARMS, ADD VIDEO CAMERAS, SHA-BAGBES185	10-11-06
AJM PAT	12-27-74
AS BUILT	
B 295X-000435	
DZ	AB

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 7 (PHILADELPHIA RD)
AND SELING AVE

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE 6-19-73	CONTRACT NO.
DESIGNED BY D. DODA	COUNTY BALTIMORE	
DRAWN BY B. TYSON	LOGMILE 03000701.19	
CHECKED BY A. BUDNICHUK	T.I.M.S. NO. F189	
F.A.P. NO.	TOD NO.	
DRAWING NO. TS-959B	SG-5 OF 9	SHEET NO. 166 OF

PLOTTED: Monday, October 23, 2006 AT 09:19 AM
FILE: Z:\Project\06-0020 Century Engineering-MD SHA\Task 1 MD 7\CADD\8 PS&E Plans\p8g-P005_MD7.dgn

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